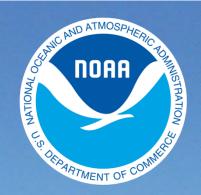
# **BookletChart**<sup>TM</sup>

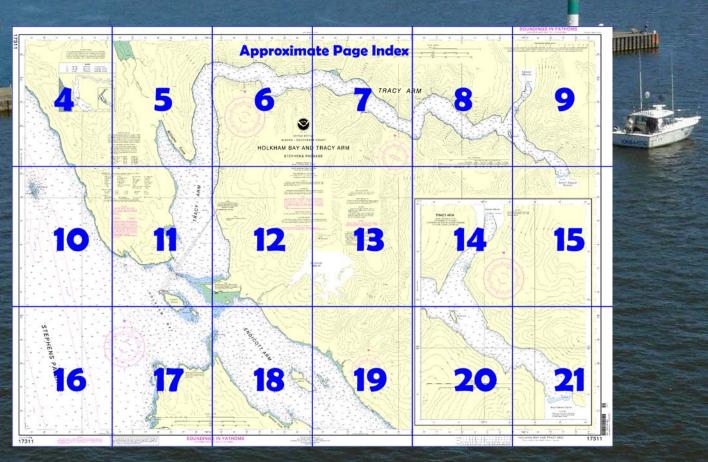
## Holkham Bay and Tracy Arm NOAA Chart 17311



A reduced-scale NOAA nautical chart for small boaters When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



## Published by the **National Oceanic and Atmospheric Administration** National Ocean Service Office of Coast Survey

www.NauticalCharts.NOAA.gov 888-990-NOAA

### What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

### What is a BookletChart<sup>™</sup>?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience. but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

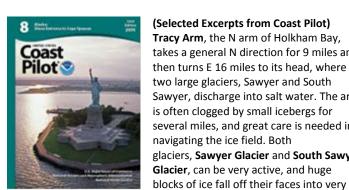
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

### **Notice to Mariners Correction Status**

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=173 <u>11</u>.



(Selected Excerpts from Coast Pilot)

Tracy Arm, the N arm of Holkham Bay, takes a general N direction for 9 miles and then turns E 16 miles to its head, where two large glaciers, Sawyer and South Sawyer, discharge into salt water. The arm is often clogged by small icebergs for several miles, and great care is needed in navigating the ice field. Both glaciers, Sawyer Glacier and South Sawyer Glacier, can be very active, and huge

deep water. These can generate waves that have been observed as high as 25 feet; however, a small boat can ride the waves safely if it keeps a few miles distance from the glacier face and avoids getting packed in the

ice flow. It is recommended that vessels use extreme caution and avoid navigating in proximity to the glacier faces. In the N branch of Tracy Arm, which extends from Sawyer Island (57°52'45"N., 133°11'25"W.) to Sawyer Glacier, there is a shoal area on the E side of the arm which reaches a minimum depth of 0.8 fathom at MLLW and extends to 57°53'40"N., 133°10'51"W., about 250 yards from a waterfall on shore. Caution is advised in this area. Tracy Arm, with its deep water, numerous waterfalls, and bold shores, is one of the outstanding fjords of

The entrance to the arm is about 1.75 miles wide. The navigable channel, only 0.3 mile wide, has a depth of 6½ fathoms and is marked by two unlighted buoys and a mariner activated sector light (57°49'24"N., 133°34'27"W.) on the E shore of the arm, and heavy kelp beds in the summer on the SE side. To activate the sector light, mariners should transmit 5 carrier pulses in 5 seconds on VHF-FM channel 65. The aid will remain lighted for 10 minutes. The buoys and lights are seasonal. The buoys may become submerged during periods of strong current. Tidal swirls, in conjunction with very strong currents, will be met in the entrance except at slack water. Caution should be used when transiting this area due to large pieces of ice moving through the entrance with the current. A daybeacon with a radar reflector is inside the entrance on the W shore in about 54°47'29"N., 133°37'53"W.

Williams Cove, a deepwater anchorage with constricted swinging room and hard bottom with patches of mud, is at the head of a large bight on the W side of Tracy Arm about 6 miles above the entrance to the arm. An anchorage for small boats in 5 fathoms, rocky bottom, is reported available in the small bight on the W side of the arm, about 2 miles above the entrance. A rock awash is about 0.2 mile SE of the entrance to the small bight.

Midway Islands are two small, sparsely wooded islets, 16 miles N of Point Hugh and 2 miles off the E shore of Stephens Passage. Rocks, awash at highest tides, are between them, with deep water close-to. A ledge extends about 0.2 mile S from the S islet, which is marked by **Midway Islands Light** (57°50'12"N., 133°48'51"W.), 83 feet (25.3 m) above the water and shown from a skeleton tower with a red and white diamond-shaped daymark.

**Twin Point**, a narrow wooded point with steep rocky shores, the more northerly of two similar points, is on the W side of Stephens Passage, about 7.5 miles NW of Midway Islands Light.

Station Point, about 6 miles to the N of Twin Point, is wooded and rises to a knob 1.4 miles inshore. A small wooded islet 105 feet high is 300 yards off the point. The bight, about 0.5 mile S of the islet, is used as a fair-weather anchorage by small craft.

**South Island**, about 2 miles SE from Station Point, is wooded. Reefs extend 50 to 100 yards from its shores, except at the SE end, where a reef extends about 0.5 mile SE. Two small wooded islets are close to the point to the SW of South Island. Anchorage in 14 fathoms, sticky bottom, has been found to the W of South Island. In the bight to the S of the small islets, small craft can find fair-weather anchorage.

> **U.S. Coast Guard Rescue Coordination Center** 24 hour Regional Contact for Emergencies

**RCC** Juneau

Commander 17th CG District Juneau, Alaska

(907) 463-2000

#### NOTE B

Glaciers deposit ice which drifts from Holkham Bay into Stephens Passage Mariners are advised to exercise extreme caution

Lights and buoys maintained from May

#### NOTE

To activate Tracy Arm Sector Light, transmit 5 carrier pulses in 5 seconds on VHF-FM Channel 65. Aid will remain lighted for 10 minutes

#### CAUTION

Falling rock and debris make near shore transit hazardous in the vicinity of Sawyer Glacier.

Strong tidal currents exist in the entrances to both Tracy and Endicott Arm. Maneuverability in these areas can be limited by the presence of icebergs moving with the current.

#### CAUTION

Falling rock and debris make near shore transit hazardous in the vicinity of South Sawyer Glacier.

### SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Additional uncharted submarine pipelines and submarine cables may exist within the area of his chart. Not all submarine pipelines and subnarine cables are required to be buried, vater comparable to their draft in areas where

objetimes and cables may exist, and when anchoring, dragging, or trawling. Covered wells may be marked by lighted or

#### CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners. During some winter months or when endan-

gered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

## AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

Mercator Projection Scale 1:40.000 at Lat. 57° 50'

North American Datum of 1983 (World Geodetic System 1984)

SOUNDINGS IN FATHOMS (FATHOMS AND FEET TO ELEVEN FATHOMS) AT MEAN LOWER LOW WATER

#### NOAA WEATHER BADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations

Mt. Robert Barron, AK KZZ-87 162.450 MHz KZZ-95 KZZ-89 KZZ-88 KZZ-91 Mt. McArthur, AK 162.525 MHz Sukkwan I, AK Cape Fanshaw, AK Zarembo I, AK 162.425 MHz 162.425 MHz 162.425 MHz 162.450 MHz Juneau, AK WXJ-25 162,550 MHz

#### RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

#### WARNING

The prudent mariner will not rely solely on any single aid navigation, particularly on floating aids. See U.S. Coast utard Light List and U.S. Coast Pilot for details.

## **Table of Selected Chart Notes**

Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence

Agency Publication 117.

Radio direction-finder bearings to commercial broad casting stations are subject to error and should be used with caution.

Station positions are shown thus:

(Accurate location) (Approximate location)

#### HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.202" southward and 6.200" westward to agree with this chart.

#### SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the U.S. Coast Guard, Geological Survey, and National Geospatial-Intelligence Agency.

#### HEIGHTS

Heights of rocks, bridges, landmarks and lights are in feet and refer to Mean High Water. Contour and Summit elevation values are in feet and refer to Mean Sea Level.

NOTE A
Navigation regulations are published in Chapter 2, U.S Coast
Pilot 8. Additions or revisions to Chapter 2 are published
in the Notice to Mariners. Information concerning
the regulations may be obtained at the Office of the Commander,
17th Coast Guard District in Juneau, Alaska, or at the Office
of the District Engineer, Corps of Engineers In Anchorage

Refer to charted regulation section numbers

#### POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

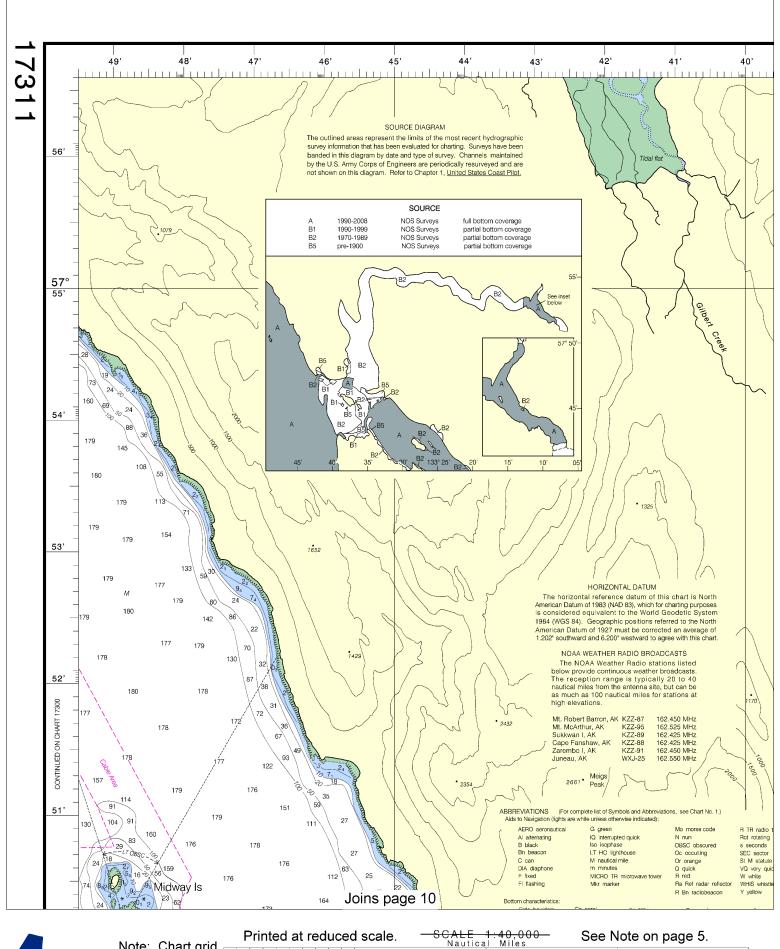
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line

#### NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

	REVIATIONS (For			ons, see Chart No. 1.)	11 1				
	AERO aeronautical Al aiternating B black Bn beacon C can DIA diaphone F fixed Fi flashing	G green IQ interru Iso isoph LT HO li M nautic m minute	opted quick lase ghthouse al mile es 'R microwave tower	Mo morse code N nun OBSC obscured Oc occulting Or orange Q quick R red Ba Ref radar reflector R Br radiobeacon	R TR radio tower Rot rotating s seconds SEC sector St M statute miles VQ very quick W white WHIS whistle Y yellow				
Bottom characteristics:									
	Bids boulders	Co coral	gy gray	Oys oysters	so soft				
	bk broken	G gravel	h hard	Rk rock	Sh shells				
_	Cy clay	Grs grass	M mud	S sand	sy sticky				
Mis	cellaneous:								
	AUTH authorized	Obstn	obstruction	PD position doubtful	Subm submerged				
-	ED existence doubt	ful PA pos	sition approximate						
	21, Wreck, rock, obstruction, or shoal swept clear to the depth indicated. (2) Rocks that cover and uncover, with heights in feet above datum of soundings.								

TIDAL INFORMATION								
PLACE	Height referred to datum of soundings (MLLW)							
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water				
Holkham Bay, Wood Spit, Stephens Passage	(57°43'N/133°35'W)	feet 15.4	feet 14.5	feet 1.5				
Sawyer Island, Tracy Arm Holkham Bay, Tracy Arm Entrance, Stephens Passage	(57°52'N/133°11'W) (57°46'N/133°36'W)		14.9 14.7	1.6 1.5				
Dashes () located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.								
(Jan 2012)			)	- I				



4

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000

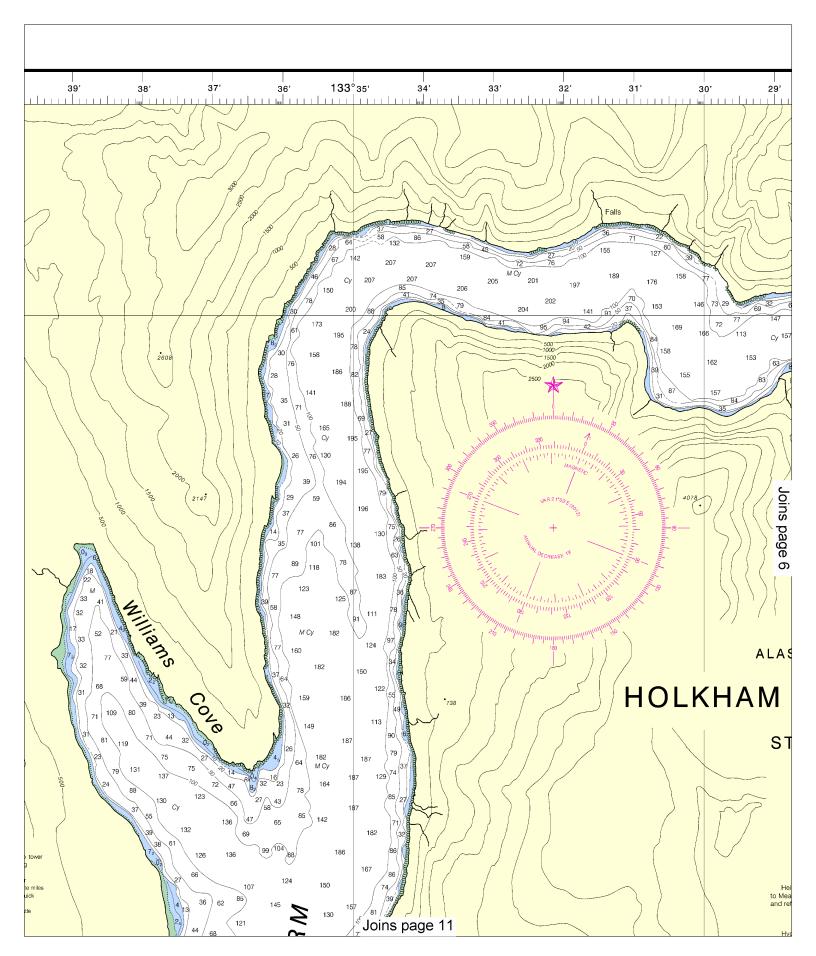
Nautical Miles

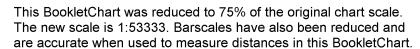
See Note on page 5.

Nautical Miles

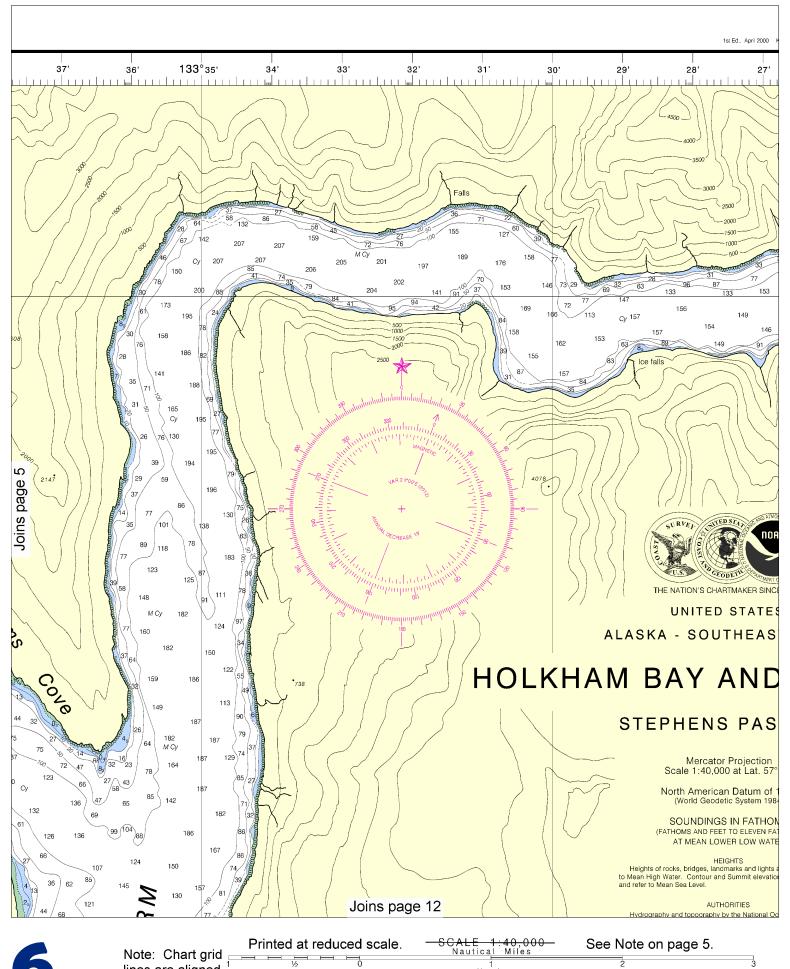
Yards

1000 0 1000 2000 3000 4000 5000



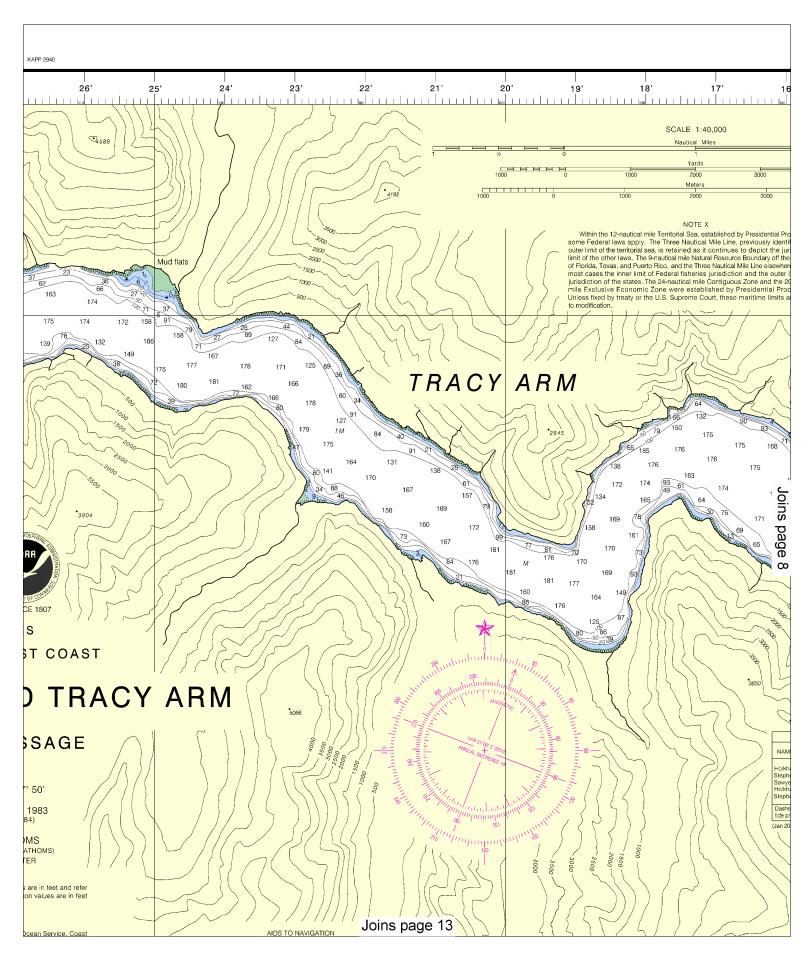


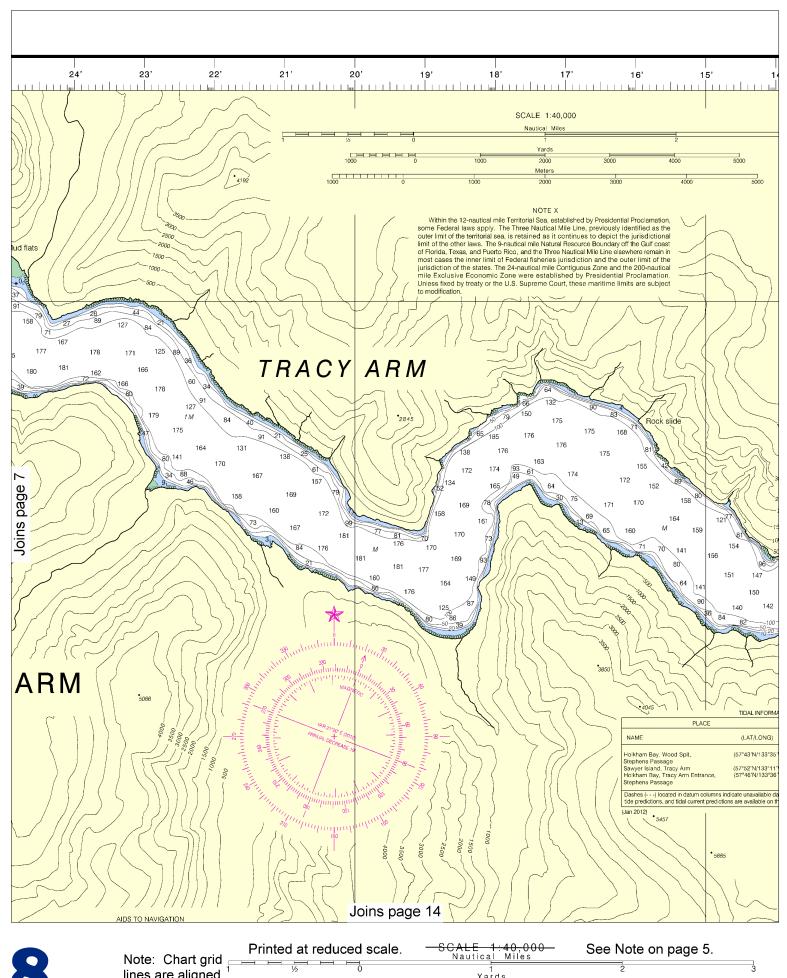






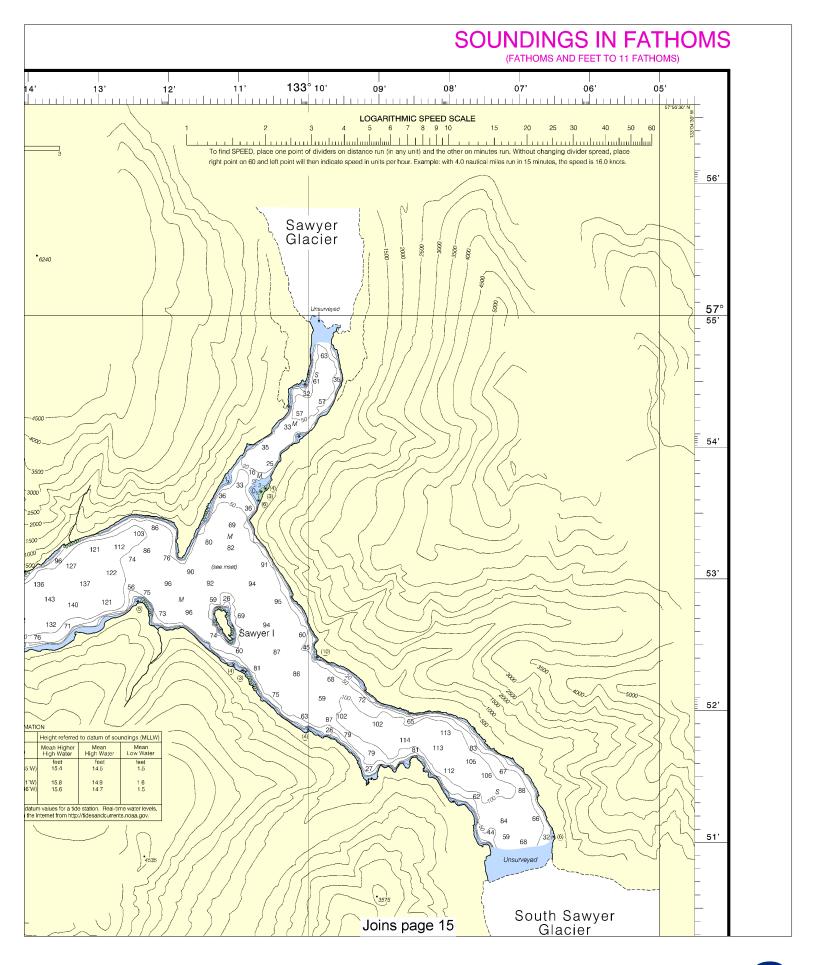
Note: Chart grid lines are aligned Yards 1000 0 1000 5000 with true north. 2000 3000 4000

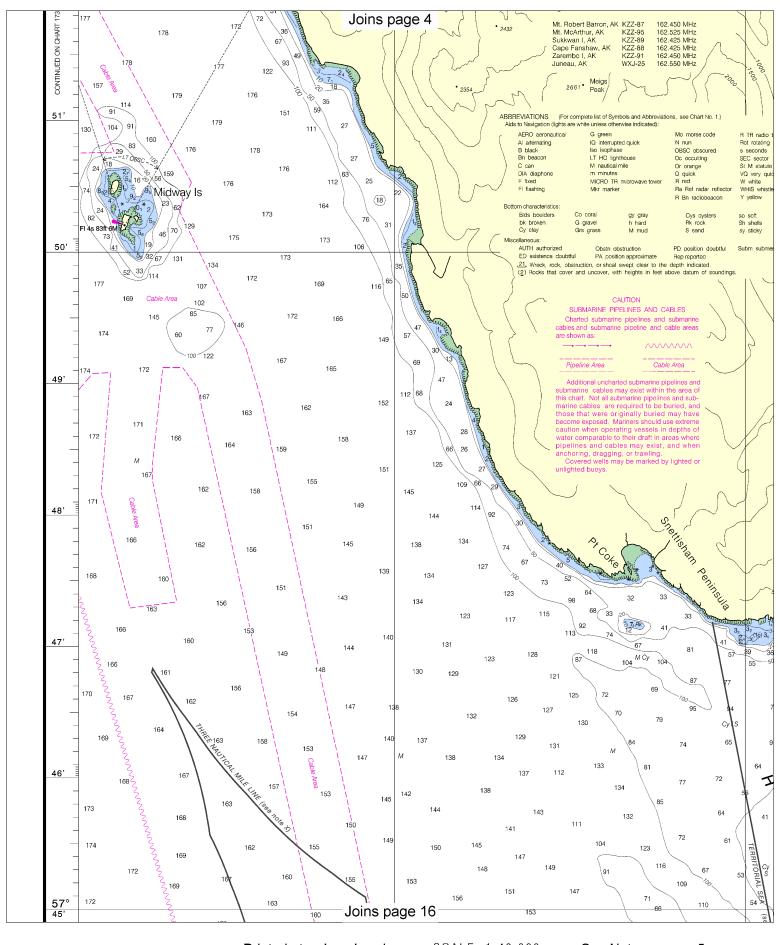






Note: Chart grid lines are aligned Yards 1000 0 1000 4000 5000 with true north. 2000 3000





Note: Chart grid lines are aligned with true north.

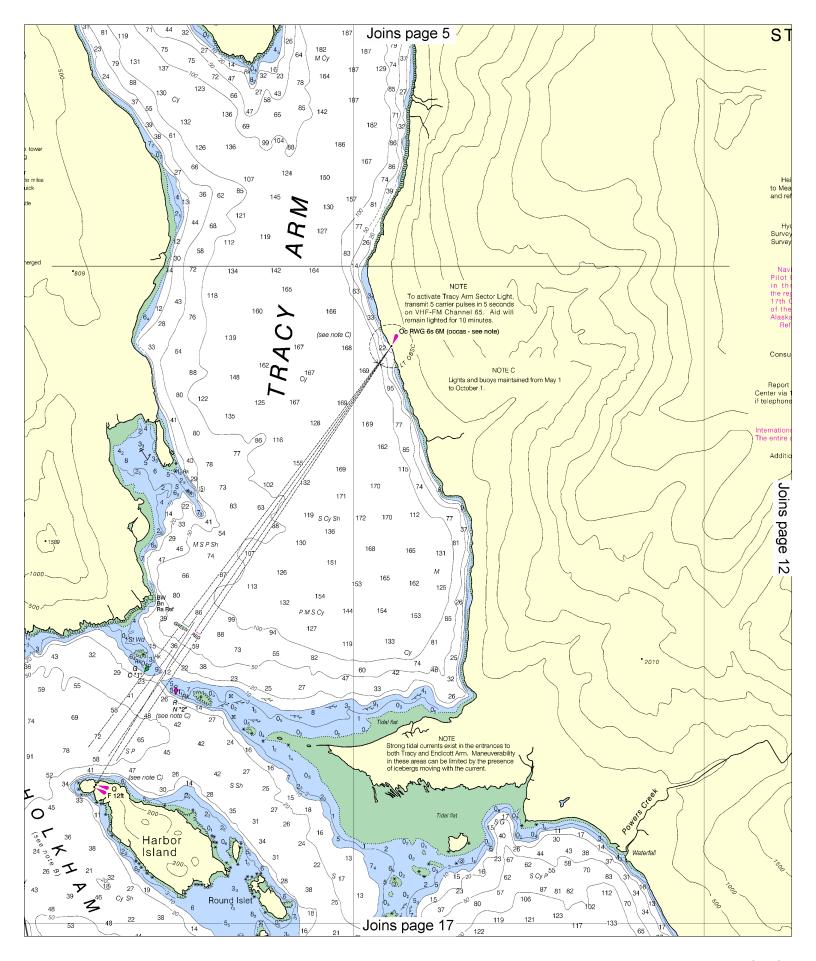
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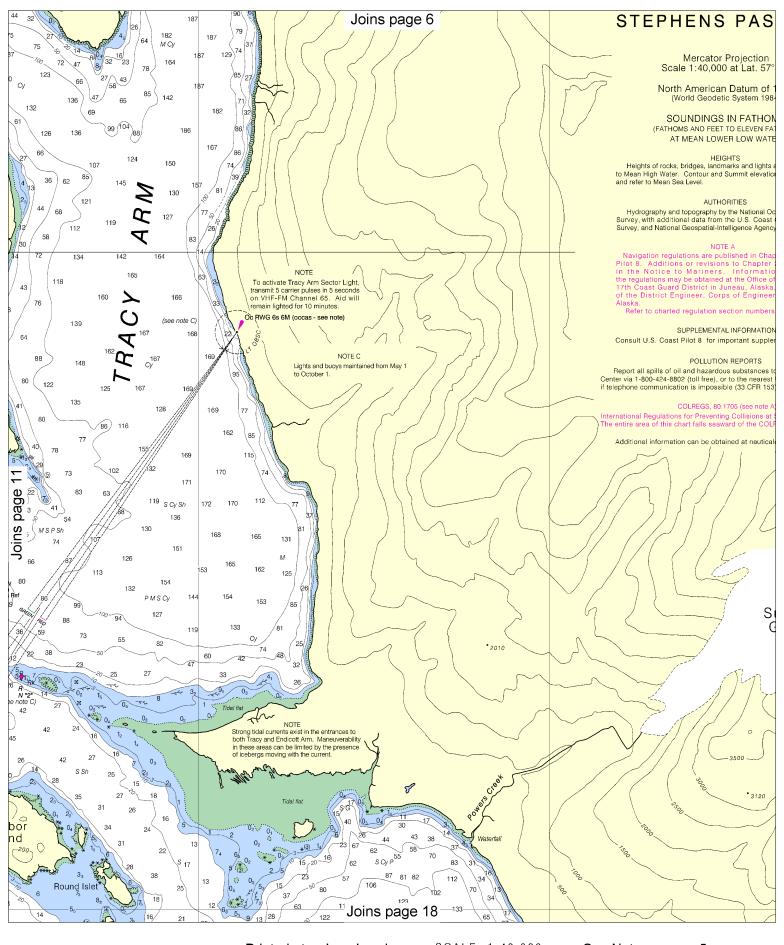
SCALE 1:40,000
Nautical Miles

See Note on page 5.

Yards

1000
0
1000
2000
3000
4000
5000



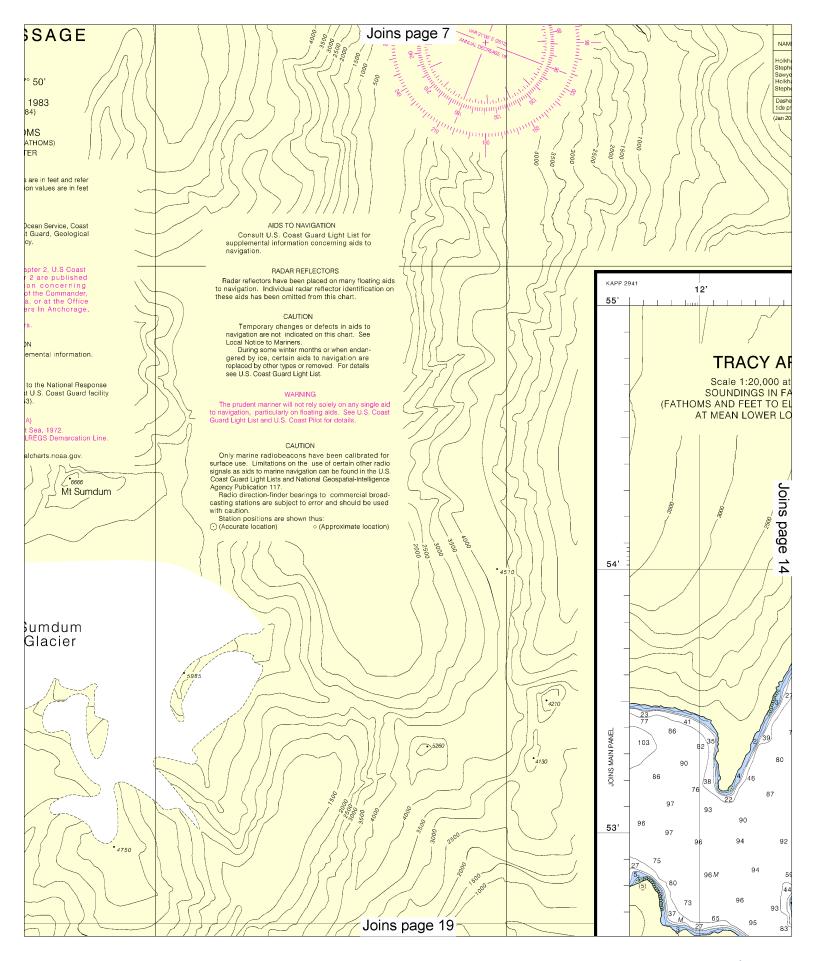


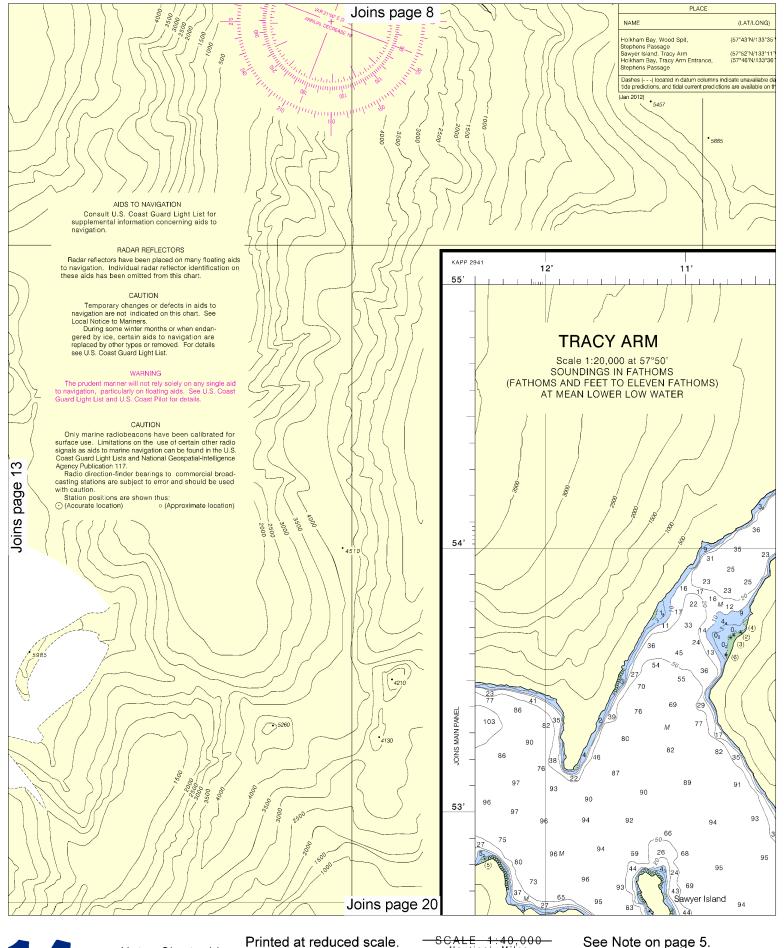
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





14

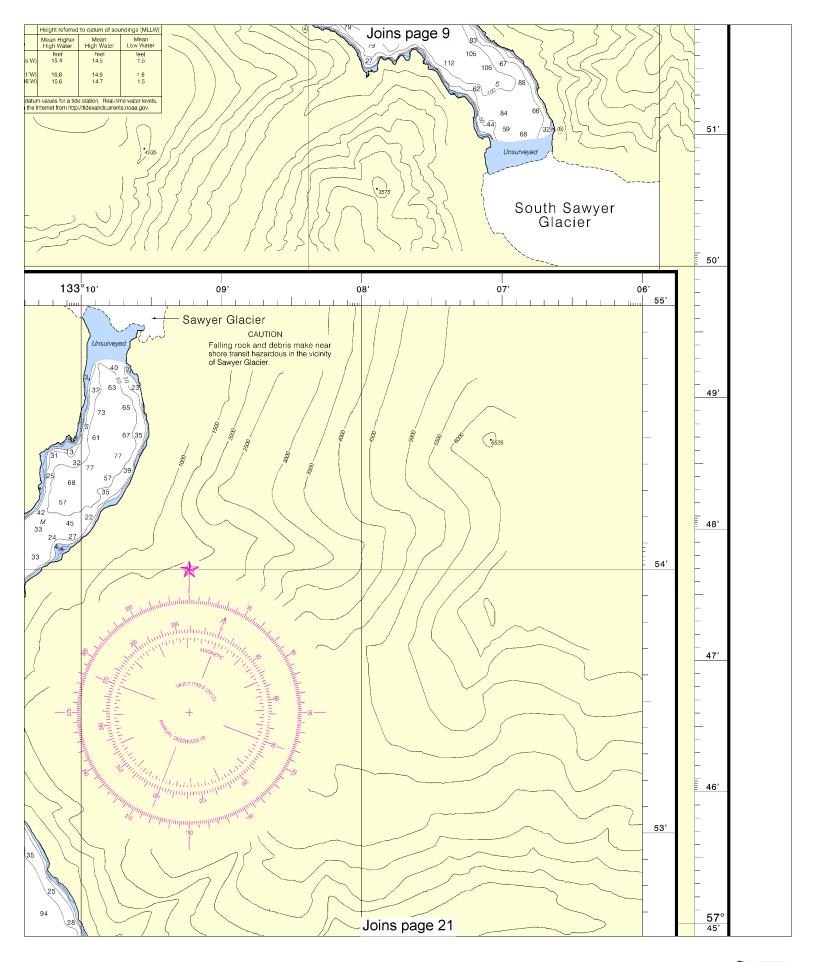
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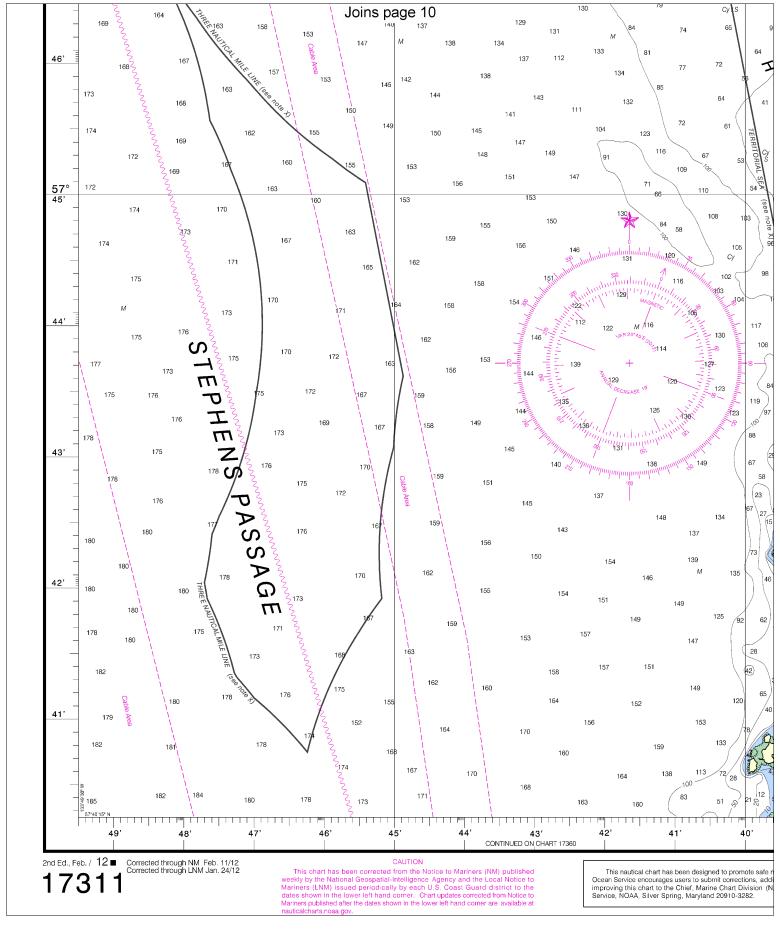
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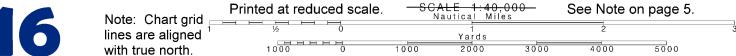
SCALE 1:40,000
Nautical Miles

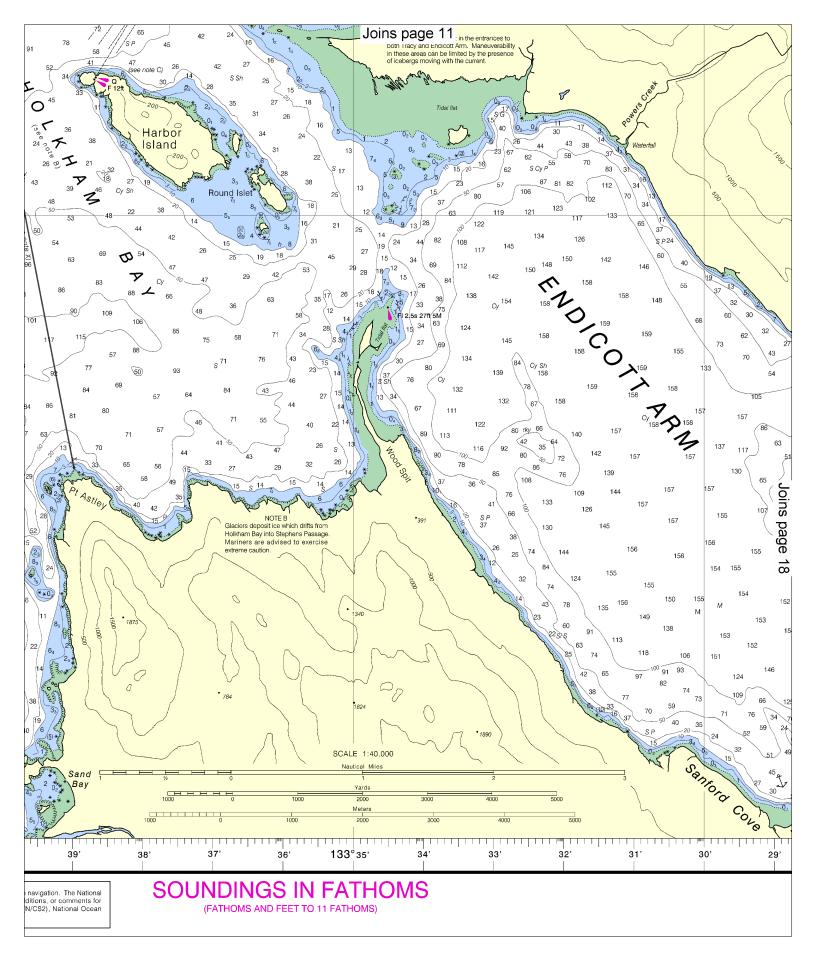
Yards

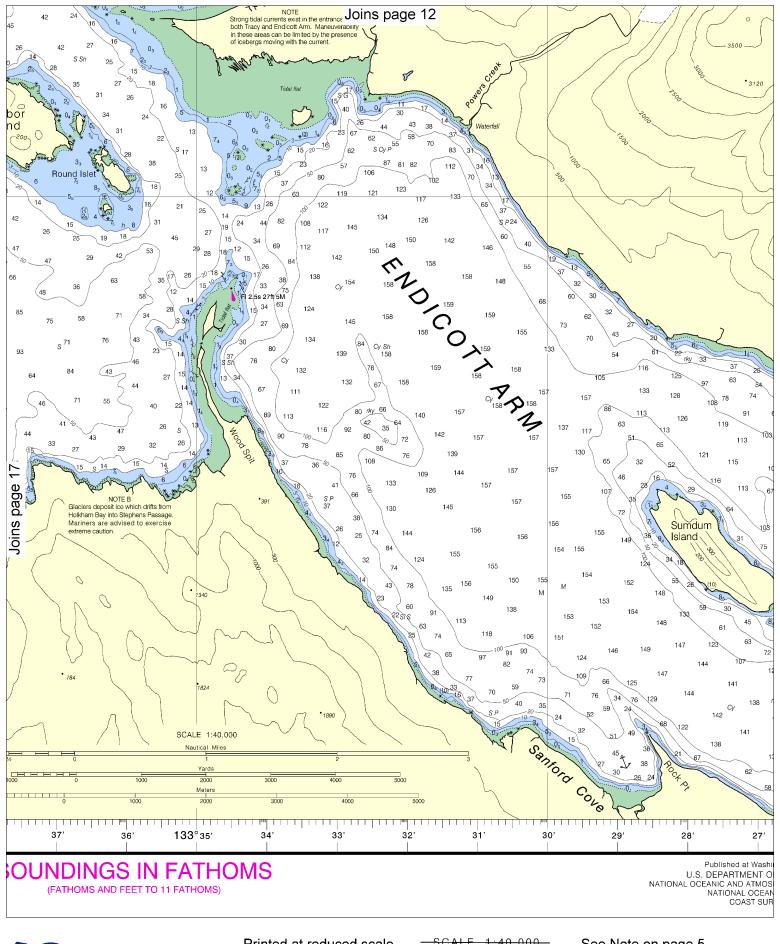
1000 0 1000 2000 3000 4000 5000



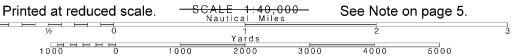


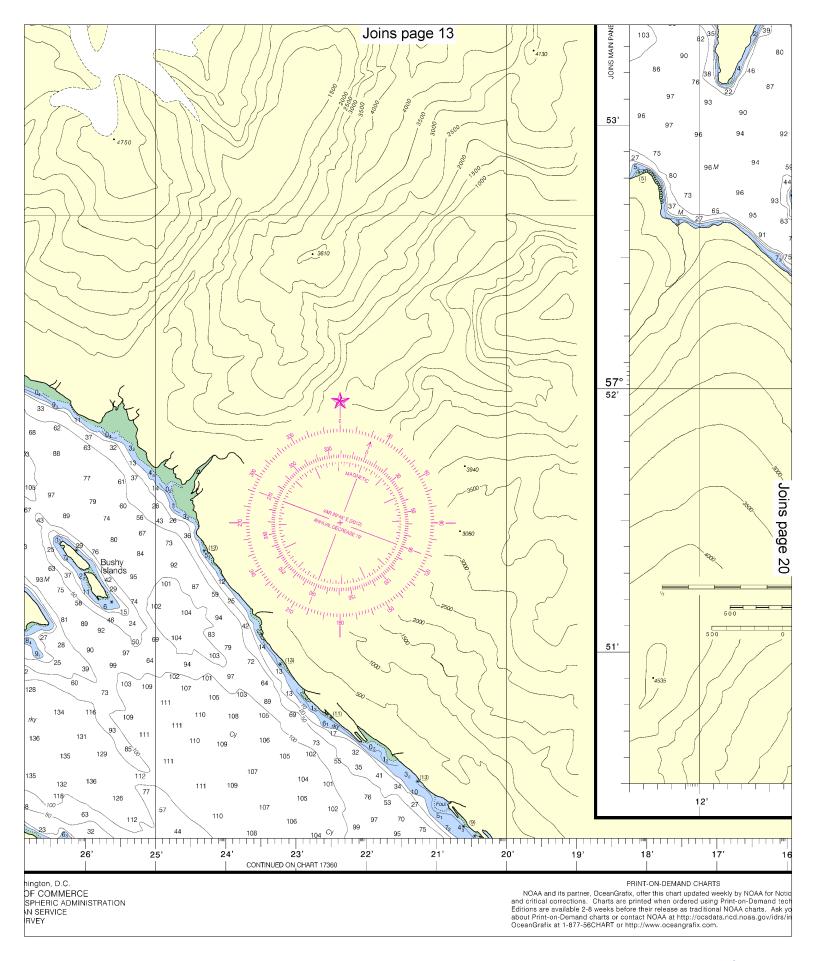


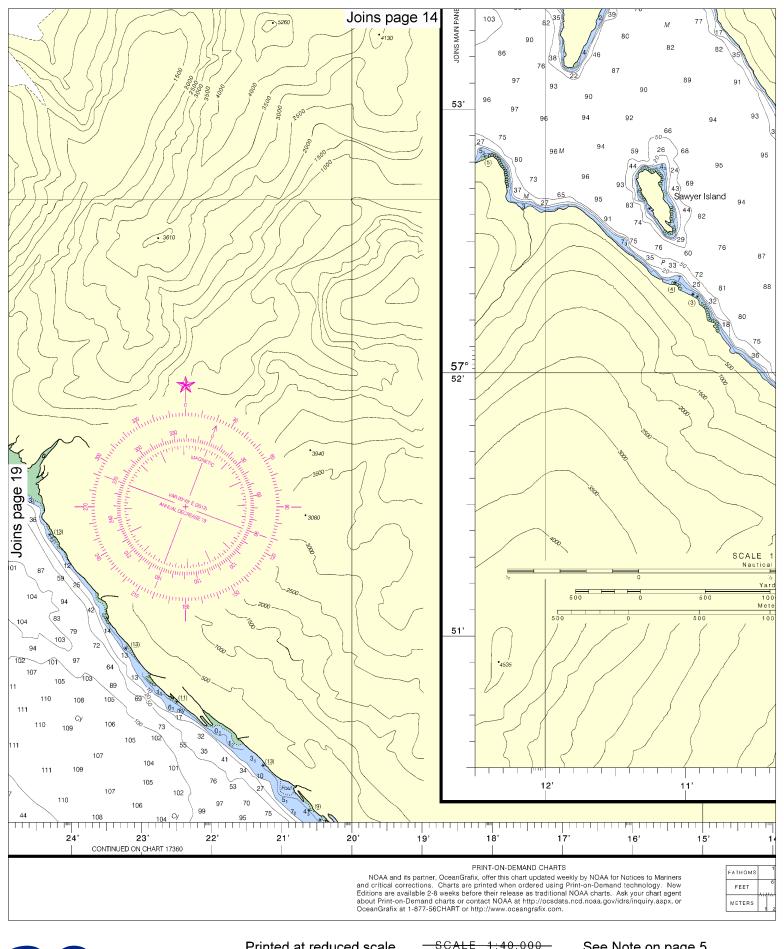




Note: Chart grid lines are aligned Yards 1000 0 1000 with true north. 2000



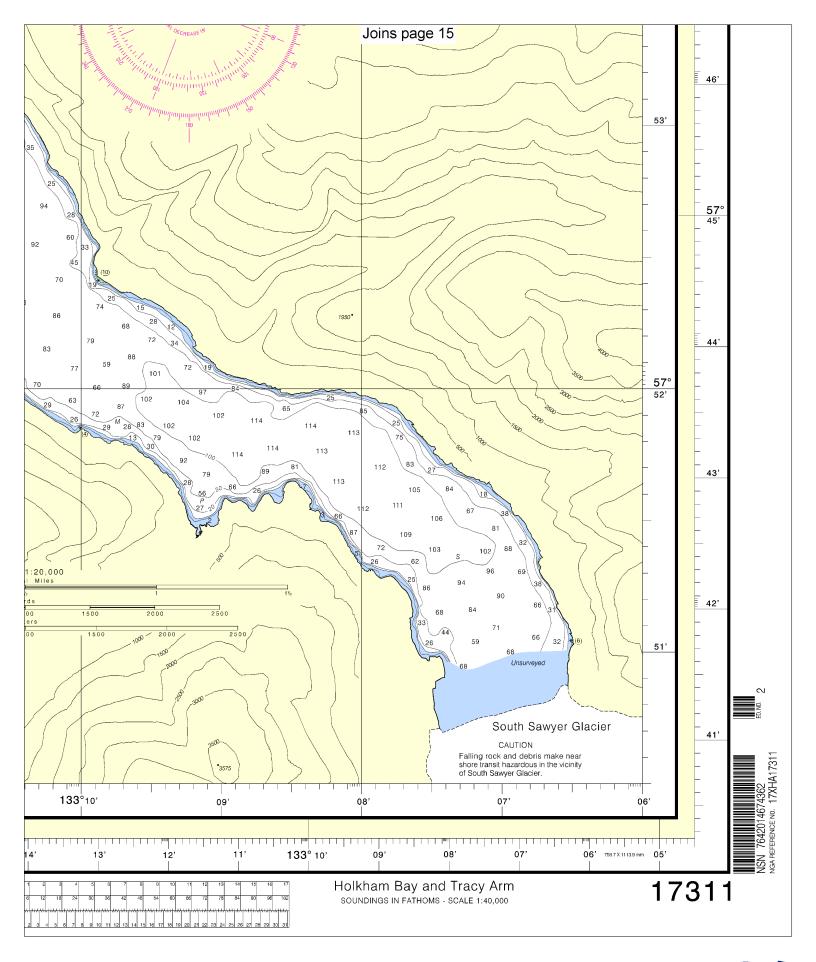




20

Note: Chart grid lines are aligned with true north.







## VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here. Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

**Getting and Giving Help** — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

## **Distress Call Procedures**

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of

Emergency; Number of People on Board.

- · Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

http://www.nws.noaa.gov/nwr/

## **Quick References**

Nautical chart related products and information — http://www.nauticalcharts.noaa.gov

Online chart viewer — <a href="http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html">http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html</a>

Report a chart discrepancy — http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx

Chart and chart related inquiries and comments — http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs

Chart updates (LNM and NM corrections) — http://www.nauticalcharts.noaa.gov/mcd/updates/LNM\_NM.html

Coast Pilot online — http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm

Tides and Currents — http://tidesandcurrents.noaa.gov

Marine Forecasts — http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center — http://www.ndbc.noaa.gov/

NowCoast web portal for coastal conditions — http://www.nowcoast.noaa.gov/

National Weather Service — http://www.weather.gov/

National Hurrican Center — http://www.nhc.noaa.gov/

Pacific Tsunami Warning Center — http://ptwc.weather.gov/

Contact Us — http://www.nauticalcharts.noaa.gov/staff/contact.htm



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This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

